



ISO Central Secretariat

date
1999-10-04

reference
ISO/VOTE/dn

SECRETARIAT OF ISO/TC 184/SC 4
DISA Center for Standards
Code JEBCD
10701 Parkridge Blvd.
RESTON, VA 20991-4398,
USA

Dear Sir or Madam,

ISO/DIS 10303-509

We have pleasure in enclosing the table of replies indicating the result of voting on the above draft, together with copies of all comments received. This table of replies will constitute annex A to the report of voting referred to in the ISO/IEC Directives (1995), Part 1, sub-clause 2.6.5.

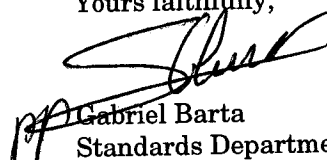
The secretary is kindly requested to arrange for the attached form 13 'Report of voting' to be completed by the chairman to show the action to be taken with regard to further processing of this draft. Your attention is drawn to the ISO/IEC Directives (1995), Part 1, sub-clause 2.6.4 setting out the options available.

At the same time, the secretary is requested to prepare annex B to the report of voting, reproducing the comments received and giving the observations of the secretariat on each. For this purpose, please use the forms 'Report of voting'/Annex B which have been supplied to you separately.

In accordance with the ISO/IEC Directives, the Central Secretariat is required to circulate the full report to the P-members of your committee within three months. It is therefore essential that we receive from you the completed form 13, including annex B (comments and secretariat observations) by 2000-01-04.

In the case of a decision by the chairman to proceed with the publication, the FDIS should be prepared by the secretariat without delay, and should preferably be forwarded to the Central Secretariat at the same time as the report of voting.

Yours faithfully,


Gabriel Barta
Standards Department

cc. Mr. D. Wandmacher (Chairman of ISO/TC 184/SC 4) (with comments)
Mme C. Hermetet-Filez (Secretary of ISO/TC 184) (without comments)



REPORT OF VOTING ON ISO/DIS

Closing date of voting

ISO/TC /SC

Secretariat

1 Result of the voting

The above-mentioned document was circulated to member bodies on the date shown in annex A, with a request that the Central Secretariat be informed whether or not member bodies were in favour of registration of the DIS as a Final Draft International Standard.

The replies listed in annex A have been received.

2 Comments received

See annex B. (This annex is circulated only to the P-members of the committee but is available to any other member body on request.)

3 Observations of the secretariat

4 Decision of the Chairman

- ☐ The DIS has been approved in accordance with the conditions of 2.6.3 of part 1 of the ISO/IEC Directives and will be submitted without change, other than editorial, for circulation as an FDIS to all member bodies.

In the light of technical comments received,

- ☐ a new DIS will be submitted to the Central Secretariat for circulation to the member bodies.
- ☐ a new committee draft will be distributed for comment.
- ☐ the DIS and comments will be considered at the next meeting.

Signature of the secretary

Date:

Signature of the chairman

Date:

DIS TABLE OF REPLIES / 1999-10-04 / TABLEAU DES REPONSES DIS

TC 184/SC 4
ISO/DIS 10303-509

VOTING BEGAN ON/DEBUT DU VOTE:1999-04-22
TIME LIMIT FOR REPLY/DELAÏ:1999-09-22

TITLE: Industrial automation systems and integration -- Product
data representation and exchange -- Part 509: Application
interpreted construct: Manifold surface

TITRE: Systèmes d'automatisation industrielle et intégration --
Représentation et échange de données de produits --
Partie 509: Établissement interprété d'application:
Surface manifold

DISAPPROVAL/DESAPPROBATION APPROVAL/APPROBATION				DISAPPROVAL/DESAPPROBATION APPROVAL/APPROBATION			
MEMBER BODY/COMITE MEMBRE				MEMBER BODY/COMITE MEMBRE			
Australia (SAI)	P	X		Norway (NSF)	P	X	
Brazil (ABNT)	P	X		Poland (PKN)		X	
Canada (SCC)	P		*	Portugal (IPQ)	P		X **
China (CSBTS)	P	X		Russian Federation (GOST R)	P	X	
Czech Republic (CSNI)	O	X		South Africa (SABS)			X
France (AFNOR)	P		X **	Spain (AENOR)	P	X	
Germany (DIN)	P	X		Sweden (SIS)	P	X	
Italy (UNI)	P	X		Switzerland (SNV)	P		X **
Japan (JISC)	P		X **	United Kingdom (BSI)	P	X	*
Korea, Republic of (KATS)	P	X		USA (ANSI)	S	X	*
Netherlands (NNI)	P	X					

T O T A L 15 5
0

* = Comments / commentaires

** = P-member having abstained and therefore not counted in the vote /
Membre (P) s'abstenant de voter; n'est donc pas compté dans le vote

P-MEMBERS VOTING:	13	IN FAVOUR OUT OF	13 = 100.00%	REQUIREMENT
MEMBRES (P) VOTANT:		EN FAVEUR SUR		>= 66,66%
				CRITERE

MEMBER BODIES VOTING:	0	NEGATIVE VOTES OUT OF	15 = 0.00%	REQUIREMENT
COMITES MEMBRES VOTANT:		VOTES NEGATIFS SUR		<= 25%
				CRITERE

THIS DRAFT HAS THEREFORE BEEN APPROVED
in accordance with the ISO/IEC Directives, Part 1, sub-clause 2.6.3.

CE PROJET EST DONC APPROUVE
selon les Directives ISO/CEI, Partie 1, paragraphe 2.6.3

Subject: [Fwd: ISO/DIS 10303-507, 10303-508, 10303-509]

Date: Thu, 26 Aug 1999 16:44:52 +0200

From: barchietto@iso.ch (Barchietto Roseline) **Internal**

Organization: ISO

To: Hops@iso.ch

CC: Votes Votes <votes@iso.ch>

Brenda,
Peux-tu voir si ce sont des DIS envoyé électroniquement ??
Merci
Roseline

Subject: Re: ISO/DIS 10303-507, 10303-508, 10303-509

Date: Wed, 25 Aug 1999 17:34:20 +0200

From: central@iso.ch (Mailbox Central)

To: Arni Ahronson <AAhronson@scc.ca> , Roseline Barchietto <barchietto@iso.ch> ,
Klaus-Gunter Lingner <lingner@iso.ch>

We acknowledge receipt of your e-mail, which has beend transferred to
the attention of the appropriate department.dr

> Arni Ahronson wrote:

>

> Dear Sir or Madam,

>

> Please note that we, here at the SCC (Standards Council of Canada),
> have only received reminders for the above ISO/DIS documents. That
> is, we do not have the documents themselves. Therefore, please send
> to the SCC with the greatest expedience the following documents:
> ISO/DIS 10303-507, 10303-508, and 10303-509. Also, please reply to
> Darryl Kingston (email address above) to acknowledge receipt of this
> correspondence.

>

> Regards,

> Arni Ahronson

**VOTE ON
ENQUIRY
DRAFT****VOTE ON DRAFT INTERNATIONAL STANDARD ISO/DIS**

Date 1999-09-09

ISO/TC 184 /SC 4

Member body Portugal

Circulated to all member bodies for voting in accordance with 2.6.1 of part 1 of the ISO/IEC Directives. All member bodies are invited to vote.

P-members of the technical committee or subcommittee concerned have an obligation to vote.

Please send this form, duly completed, and with any comments, to the ISO Central Secretariat.

ISO/DIS 10303-509

Title Industrial automation systems and integration - Product data representation and exchange -

Part 509:

Application interpreted construct: Manifold surface

☐ We approve the technical content of the draft

☐ as presented

☐ with comments (editorial or other) appended

☐ We disapprove for the technical reasons stated

The reasons for our disapproval are the following (use a separate page as annex, if necessary)

☐ Acceptance of specified technical modifications will change our vote to approval

1999-09-10

Remarks:

No answer from those concern

Instituto Português da Qualidade

☒ We abstain

Signature

BALLOT RESPONSE AND UK COMMENTS ON ISO/DIS 10303-509

STEP - AIC: Manifold surface

1. INTRODUCTION

This document presents the UK vote, comments and recommendations on ISO/DIS 10303-509

2. VOTING RESPONSE

The UK votes **APPROVAL** of ISO/DIS 10303-509 with the following comments.

3. TECHNICAL COMMENTS

ISSUE NUMBER UK-509-01

AUTHOR: Ray Goult

CLAUSE: 4.2 WHERE Rules

CLASSIFICATION: Minor Technical

DESCRIPTION: There may a logical error in several of the WRs for this entity relating to checks on instances of `oriented_face`. WR5 permits the use of `oriented_face` as a member of the `cfs_faces` set but the subsequent WRs (e.g. WR6) ignore the possibility of having an `oriented_face` in this set.

Suggestion:- since in AIC 509 all `connected_face_sets` are shells it might be appropriate (as in 513, 514) to exclude the use of `oriented_faces` to define shells.

ISSUE NUMBER UK-509-02

AUTHOR: Ray Goult

CLAUSE: Annex C

CLASSIFICATION: Minor Technical

Following the amendments contained in part 42 TC and part 43 TC a `composite_curve_segment` is now defined as a subtype of `founded_item`, this should be shown in figure C11.

note: It may also be necessary to reference `founded_item` in clause 4 USE FROM statements.

4. EDITORIAL COMMENTS

ISSUE NUMBER UK-509-03

AUTHOR: Ray Goult

CLAUSE: Foreword

CLASSIFICATION: Minor Editorial

DESCRIPTION: The text should be amended to use the latest boilerplate text and to refer to a [www URL](#) for an up to date list of parts.

ANSI

PROPOSED SOLUTION:
RESOLUTION:

ISSUE NUMBER: USA-508DIS-11
AUTHOR: USA
CLAUSE: Annex C
CLASSIFICATION: Minor Editorial
DESCRIPTION: Fig. C.17 parameter_value should each have line with with
open dot to indicate predefined type(real)
PROPOSED SOLUTION:
RESOLUTION:

ISO/DIS 10303-509 – ISO/TC 184/SC 4

ISSUE NUMBER: USA-509DIS-1
AUTHOR: USA
CLAUSE: 4.2 page 14
CLASSIFICATION: Minor Editorial
DESCRIPTION: The informal propositions IP1-IP4 appear redundant based on
sentences on pg 13 prior to NOTE 7 and NOTE 8 (one for curves and other for
surfaces): 'The attribute self_intersect...' . Similar sentence on pg 16:
'The attribute self_intersect...' (two paragraphs prior to NOTE 2).
PROPOSED SOLUTION:
RESOLUTION:

ISSUE NUMBER: USA-509DIS-2
AUTHOR: USA
CLAUSE: Annex C
CLASSIFICATION: Minor Editorial
DESCRIPTION: Fig. C.2 positive_length_measure should have line with with
open dot to indicate predefined type(real)
PROPOSED SOLUTION:
RESOLUTION:

ISSUE NUMBER: USA-509DIS-3
AUTHOR: USA
CLAUSE: Annex C
CLASSIFICATION: Minor Editorial
DESCRIPTION: Fig. C.4 length_measure and parameter_value should have
line with with open dot to indicate predefined type(real)
PROPOSED SOLUTION:
RESOLUTION:

ISSUE NUMBER: USA-509DIS-4
AUTHOR: USA
CLAUSE: Annex C
CLASSIFICATION: Minor Editorial

DESCRIPTION: Fig. C.5 length_measure should have line with with open dot
to indicate predefined type(real)
PROPOSED SOLUTION:
RESOLUTION:

ISSUE NUMBER: USA-509DIS-5
AUTHOR: USA
CLAUSE: Annex C
CLASSIFICATION: Minor Editorial
DESCRIPTION: Fig. C.8 positive_length_measure and length_measure should
each have line with with open dot to indicate predefined type(real)
PROPOSED SOLUTION:
RESOLUTION:

ISSUE NUMBER: USA-509DIS-6
AUTHOR: USA
CLAUSE: Annex C
CLASSIFICATION: Minor Editorial
DESCRIPTION: Fig. C.10 parameter_value should have line with with open dot
to indicate predefined type(real)
PROPOSED SOLUTION:
RESOLUTION:

ISSUE NUMBER: USA-509DIS-7
AUTHOR: USA
CLAUSE: Annex C
CLASSIFICATION: Minor Editorial
DESCRIPTION: Fig. C.12 length_measure should have line with with open
dot to indicate predefined type(real)
PROPOSED SOLUTION:
RESOLUTION:

ISSUE NUMBER: USA-509DIS-8

AUTHOR: USA

CLAUSE: Annex C

CLASSIFICATION: Minor Editorial

DESCRIPTION: Fig. C.14 dimension_count should have line with with open dot to indicate predefined type(real)

PROPOSED SOLUTION:

RESOLUTION:

ISSUE NUMBER: USA-509DIS-9

AUTHOR: USA

CLAUSE: Annex C

CLASSIFICATION: Minor Editorial

DESCRIPTION: Fig. C.16 length_measure should have line with with open dot to indicate predefined type(real)

PROPOSED SOLUTION:

RESOLUTION:

ISSUE NUMBER: USA-509DIS-10

AUTHOR: USA

CLAUSE: Annex C

CLASSIFICATION: Minor Editorial

DESCRIPTION: Fig. C.14 dimension_count should have line with with open dot to indicate predefined type(real)

PROPOSED SOLUTION:

RESOLUTION:

